

INTERNATIONAL SEARCH REPORT

IB2004/002892

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01S15/89 G01S7/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 474 073 A (QUISTGAARD JENS U ET AL) 12 December 1995 (1995-12-12) abstract; figure 1 column 1, line 4 - column 4, line 14 ----- -/--	1-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

10 December 2004

Date of mailing of the international search report

05/01/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KADI A P; LOUPAS T: "On the performance of regression and step-initialized IIR clutter filters for color Doppler systems in diagnostic medical ultrasound" IEEE TRANSACTIONS ON ULTRASONICS, FERROELECTRICS AND FREQUENCY CONTROL, vol. 42, no. 5, September 1995 (1995-09), pages 927-937, XP001204502 abstract; figures 1,9 page 927, right-hand column, line 1 - page 929, right-hand column, paragraph 2 Section V. Discussion Reference '14!: Thomas and Hall "Improved wall filter for flow imaging" -----	1-11
A	HAERTEN/M MÜCK-WEYMANN R: "Doppler- und Farbdoppler-Sonographie passage" DOPPLER- UND FARBDOPPLER-SONOGRAPHIE, XX, XX, 1994, pages 24-28, XP002309847 page 26, paragraph 2 -----	1
A	BJAERUM S; TORP H; KRISTOFFERSEN K: "Clutter filters adapted to tissue motion in ultrasound color flow imaging" IEEE TRANSACTIONS ON ULTRASONICS, FERROELECTRICS AND FREQUENCY CONTROL, vol. 49, no. 6, June 2002 (2002-06), pages 693-704, XP001204504 cited in the application abstract; figures 4,5 page 696, right-hand column, paragraph 2 - page 701, left-hand column, last line -----	1-11
A	LEWIS THOMAS ET AL INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "AN IMPROVED WALL FILTER FOR FLOW IMAGING OF LOW VELOCITY FLOW" PROCEEDINGS OF THE ULTRASONICS SYMPOSIUM. CANNES, NOV. 1 - 4, 1994, NEW YORK, IEEE, US, vol. VOL. 3, 1 November 1994 (1994-11-01), pages 1701-1704, XP000525116 ISBN: 0-7803-2013-1 the whole document -----	1-11
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INTERNATIONAL SEARCH REPORT

IB2004/002892

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	MAGNIN P A ED - MCAVOY B R INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "A REVIEW OF DOPPLER FLOW MAPPING TECHNIQUES" PROCEEDINGS OF THE ULTRASONICS SYMPOSIUM. DENVER, OCT. 14 - 16, 1987, NEW YORK, IEEE, US, vol. VOL. 2, 14 October 1987 (1987-10-14), pages 969-977, XP000124103 abstract; figures 1-3,8a-10 page 969, right-hand column, paragraph 3 page 972, left-hand column, last paragraph - page 973, left-hand column, paragraph 1 page 976, right-hand column, paragraph 2 -----	1-10
A	US 6 210 334 B1 (PHILLIPS PATRICK J) 3 April 2001 (2001-04-03) abstract; figures 3,6,7,10 column 8, line 27 - column 10, line 9 -----	4,5,8-11
A	CHORNOBOY E S: "INITIALIZATION FOR IMPROVED IIR FILTER PERFORMANCE" IEEE TRANSACTIONS ON SIGNAL PROCESSING, IEEE, INC. NEW YORK, US, vol. 40, no. 3, 1 March 1992 (1992-03-01), pages 543-550, XP000294872 ISSN: 1053-587X cited in the application the whole document -----	1

INTERNATIONAL SEARCH REPORT

IB2004/002892

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5474073	A	12-12-1995	AT 220801 T	15-08-2002
			CA 2157313 A1	23-05-1996
			DE 69527409 D1	22-08-2002
			DE 69527409 T2	20-02-2003
			EP 1255124 A2	06-11-2002
			EP 0714036 A2	29-05-1996
			ES 2179861 T3	01-02-2003
			JP 10309279 A	24-11-1998
			JP 2812670 B2	22-10-1998
			JP 8229038 A	10-09-1996
			US RE36564 E	08-02-2000
<hr/>				
US 6210334	B1	03-04-2001	NONE	
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